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## AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application:

## Listing of claims

1. (Currently Amended) A method for the production of a fluorinated phenylenediamine represented by the following formula (2), which comprises steps of reacting a diamide represented by the following formula (1) with NaOX [wherein X stands for a bromine atom (Br) or a chlorine atom (Cl)] at a molar ratio of the NaOX to the diamide (NaOX/diamide ratio) in the range of [[2.0]] 3.0 - 6.0 and NaOH at a molar ratio of the NaOH to the diamide (NaOH/diamide ratio) in the range of 1.8 - 6.0[[.]],

$$F_1$$
  $Y_m$  (1)  $(CONH_2)_2$ 

$$F_{1} Y_{m}$$

$$(2)$$

$$(NH_{2})_{2}$$

wherein in the formulas (1) and (2), Y stands for a hydrogen atom (H), a bromine atom (Br), a chlorine atom (Cl), a fluorine atom (F), a  $C_1$  -  $C_5$  alkyl group optionally having a substituent, or a  $C_1$  -  $C_5$  alkoxyl group optionally having a substituent, 1 is an integer in the range of 1 - 4, m is an integer in the range of 0 - 3, provided that the total number of 1 and m (1 + m) is 4.

2. (Original) A method according to claim 1, wherein said diamide is reacted with NaOX and NaOH at a temperature in the range of 0 - 20°C and the resultant reaction product is heated at a temperature exceeding 20°C and not exceeding 100°C.

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3. (Currently Amended) A method according to claim 1, wherein said diamide is a diamide represented by the following formula (4) and said phenylenediamine is a phenylenediamine represented by the following formula (5)[[.]].

$$H_2NOC$$
 $F_3$ 
 $CONH_2$ 
 $F_3$ 
 $H_2N$ 
 $NH_2$ 
 $(4)$ 

wherein in the formulas (4) and (5), Y stands for a hydrogen atom (H), a bromine atom (Br), a chlorine atom (Cl), a fluorine atom (F), a  $C_1$  -  $C_5$  alkyl group optionally having a substituent, or a  $C_1$  -  $C_5$  alkoxyl group optionally having a substituent.

- 4. (Previously Presented) A method according to claim 1, wherein the molar absorption coefficient of the fluorinated phenylenediamine represented by the formula (2) at a wavelength of 450 nm is not more than 2.5 (l/mol·cm).
- 5. (Currently Amended) A method for the production of a polyamic acid represented by the formula (9), which comprises the steps of:

producing a fluorinated phenylenediamine represented by the formula (2) by reacting a diamide represented by the formula (1) with NaOX [wherein X stands for a bromine atom (Br) or a chlorine atom (Cl)] at a molar ratio of the NaOX to the diamide (NaOX/diamide ratio) in the range of 3.0 - 6.0 and NaOH at a molar ratio of the NaOH to the diamide (NaOH/diamide ratio) in the range of 1.8 - 6.0; and

reacting the fluorinated phenylenediamine by the method set forth in claim-1 with tetracaraboxylic acid represented by the formula (8), the acid anhydride or acid chloride thereof, or the ester thereof in an organic solvent[[.]],

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$$F_{1} \qquad Y_{m} \qquad (1)$$

$$(CONH_{2})_{2}$$

$$F_{1} \qquad Y_{m} \qquad (2)$$

$$(NH_{2})_{2}$$

$$\begin{array}{c|c}
F_1 & Y_m \\
\hline
NHOC & CONH & (9)
\end{array}$$

wherein X' stands for a tetravalent organic group, wherein Y stands for a hydrogen atom (H), a bromine atom (Br), a chlorine atom (Cl), a fluorine atom (F), a  $C_1$  -  $C_5$  alkyl group optionally having a substituent, or a  $C_1$  -  $C_5$  alkoxyl group optionally having a substituent, l is an integer in the range of 1 - 4, m is an integer in the range of 0 - 3, provided that the total number of l and m (l + m) is 4, and X' stands for a tetravalent organic group.

6. (Currently Amended) A method for the production of polyimide represented by the formula (10), which comprises eyelizing by heating the polyamic acid by the method set forth in claim 5 the steps of:

producing a fluorinated phenylenediamine represented by the formula (2) by

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reacting a diamide represented by the formula (1) with NaOX [wherein X stands for a bromine atom (Br) or a chlorine atom (Cl)] at a molar ratio of the NaOX to the diamide (NaOX/diamide ratio) in the range of 3.0 - 6.0 and NaOH at a molar ratio of the NaOH to the diamide (NaOH/diamide ratio) in the range of 1.8 - 6.0; and

producing a polyamic acid represented by the formula (9) by reacting the fluorinated phenylenediamine with tetracaraboxylic acid represented by the formula (8), the acid anhydride or acid chloride thereof, or the ester thereof in an organic solvent; and cyclizing by heating the polyamic acid,

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wherein Y stands for a hydrogen atom (H), a bromine atom (Br), a chlorine atom (Cl), a fluorine atom (F), a  $C_1$  -  $C_5$  alkyl group optionally having a substituent, or a  $C_1$  -  $C_5$  alkoxyl group optionally having a substituent, l is an integer in the range of 1 - 4, m is an integer in the range of 0 - 3, provided that the total number of l and m (l + m) is 4, and X' stands for a tetravalent organic group.

- 8. (Previously Presented) A method according to claim 2, wherein the molar absorption coefficient of the fluorinated phenylenediamine represented by the formula (2) at a wavelength of 450 nm is not more than 2.5 (l/mol·cm).
- 9. (Previously Presented) A method according to claim 3, wherein the molar absorption coefficient of the fluorinated phenylenediamine represented by the formula (2) at a wavelength of 450 nm is not more than 2.5 (l/mol·cm).
- 10. (Previously Presented) A method according to claim 7, wherein the molar absorption coefficient of the fluorinated phenylenediamine represented by the formula (2) at a wavelength of 450 nm is not more than 2.5 (l/mol·cm).
- 11. (Currently Amended) A method for the production of a polyamic acid represented by the formula (9), which comprises the steps of:

producing a fluorinated phenylenediamine represented by the formula (2) by reacting a diamide represented by the formula (1) with NaOX [wherein X stands for a bromine atom (Br) or a chlorine atom (Cl)] at a molar ratio of the NaOX to the diamide (NaOX/diamide ratio) in the range of 3.0 - 6.0 and NaOH at a molar ratio of the NaOH to the diamide (NaOH/diamide ratio) in the range of 1.8 - 6.0, at a temperature in the range of 0 - 20°C and by heating the resultant reaction product subsequently at a temperature exceeding 20°C and not exceeding 100°C; and

reacting the fluorinated phenylenediamine produced by the method set forth in claim 2 with tetracaraboxylic acid represented by the formula (8), the acid anhydride or

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acid chloride thereof, or the ester thereof in an organic solvent[[.]],

F<sub>1</sub> 
$$Y_m$$
 (1)

(CONH<sub>2</sub>)<sub>2</sub>

F<sub>1</sub>  $Y_m$  (2)

(NH<sub>2</sub>)<sub>2</sub>

HO- $\overset{\circ}{C}$   $\overset{\circ}{C}$ -OH

NHOC CONH (9)

wherein X' stands for a tetravalent organic group, wherein Y stands for a hydrogen atom (H), a bromine atom (Br), a chlorine atom (Cl), a fluorine atom (F), a  $C_1$  -  $C_5$  alkyl group optionally having a substituent, or a  $C_1$  -  $C_5$  alkoxyl group optionally having a substituent, 1 is an integer in the range of 1 - 4, m is an integer in the range of 0 - 3, provided that the total number of 1 and m (1 + m) is 4, and X' stands for a tetravalent organic group.

12. (Currently Amended) A method for the production of polyimide represented by the formula (10), which comprises eyelizing by heating the polyamic acid produced by the method set forth in claim 11 the steps of:

producing a fluorinated phenylenediamine represented by the formula (2) by

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reacting a diamide represented by the formula (1) with NaOX [wherein X stands for a bromine atom (Br) or a chlorine atom (Cl)] at a molar ratio of the NaOX to the diamide (NaOX/diamide ratio) in the range of 3.0 - 6.0 and NaOH at a molar ratio of the NaOH to the diamide (NaOH/diamide ratio) in the range of 1.8 - 6.0, at a temperature in the range of 0 - 20°C and by heating the resultant reaction product subsequently at a temperature exceeding 20°C and not exceeding 100°C;

producing a polyamic acid represented by the formula (9) by reacting the fluorinated phenylenediamine with tetracaraboxylic acid represented by the formula (8), the acid anhydride or acid chloride thereof, or the ester thereof in an organic solvent; and cyclizing by heating the polyamic acid,

F<sub>1</sub> 
$$Y_m$$
 (1)

(CONH<sub>2</sub>)<sub>2</sub>

F<sub>1</sub>  $Y_m$  (2)

(NH<sub>2</sub>)<sub>2</sub>

HO- $\ddot{C}$   $\ddot{C}$ -OH

 $\ddot{V}$  (8)

HO- $\ddot{C}$   $\ddot{C}$ -OH

 $\ddot{V}$  NHOC CONH (9)

HOOC COOH

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$$\begin{array}{c|c}
F_1 & O & O \\
Y_m & O & O \\
\vdots &$$

wherein Y stands for a hydrogen atom (H), a bromine atom (Br), a chlorine atom (Cl), a fluorine atom (F), a  $C_1$  -  $C_5$  alkyl group optionally having a substituent, or a  $C_1$  -C<sub>5</sub> alkoxyl group optionally having a substituent, l is an integer in the range of 1 [[-4]], m is an integer in the range of 0 - 3, provided that the total number of 1 and m(1 + m) is 4, and X' stands for a tetravalent organic group.